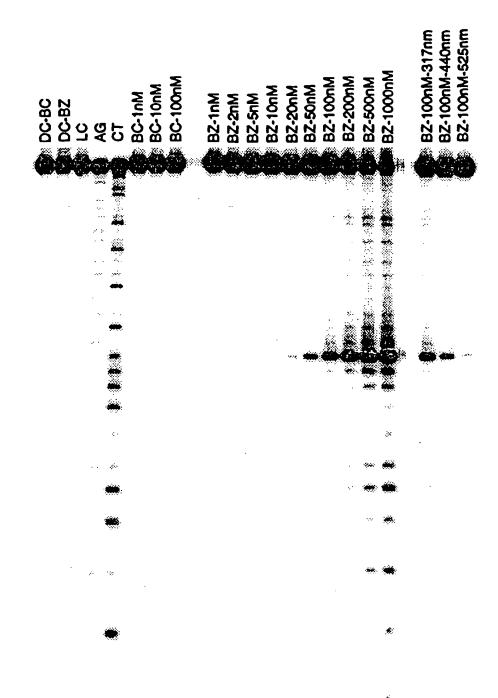


APPLICANT(S): Barton and Junicke
TITLE: METHODS AND COMPOSITIONS FOR DETECTING
POLYNUCLEOTIDE DUPLEX DAMAGE AND
ERRORS

ERRORS
Application No.: 10/015,997 File Date: December 10, 2001
Docket No.: CIT1290-1

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5'-GAT GTC GGT CCC ACG ATG GTG ACG GAT TAC C-3'
3-GC GTA CTA CAG CCA GCG TGC TAC CAC TGC CTA ATG G TT GAG-5'
Conditions: 1μM DNA, Tris Buffer at ph 8, 15 min irradiation at 313 nm
[Rh(bpy)₂chrysi] = BC, [Rh(bpy)₂phzi]Cl₃ = BZ

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FIG. 1





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Junicke.HJ100.2.Frac

exp2 stdlsh

OAP2	. 3101311					
	SAMPLE		DEC. & VT			
date	Aug 27 2000	dfrq	300.0	080		
solvent	CDC13	dn		H1		
file	exp	dpwr		40		
	CQUISITION	dof		0		
sfrq	300.082	dm	1	າກກ		
tn		dmm	•	c		
at	1.600	dmf	116	500		
np	32000		PROCESSING			
sw	10000.0	lb	1	.00		
fb	5600	wtfile				
bs	4	proc		ft		
SS	4	fn	655	536		
tpwr	55					
pw dl	15.4	werr				
tof	1.000 1113.9	wexp				
nt	512	wbs wnt				
ct	196	WIIL				
alock	n					
gain	16					
Ü	FLAGS					
il	n					
in	ny					
dp	y					
	DISPLAY					
sp	2221.1					
wp	2412.5					
VS	690					
sc	0					
wc	250					
hzmm	9.65					
is rfl	41451.76					
	3757.5					1
rfp th	0 37					
ins	100.000					l
	edc ph					ļ
	ode pri		H _N_		ď	1 1
			H N	ا لا د ن ا	¥.	
		Ý	Physical Rh. min.			/ l. l.
		N		Cl ₃	10 1.1	N I
		N N	H N		YA / YA	, JA 10.
				~	11 r f h/s	
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		•				TATA PARIL
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✓					ا کا کرنہ	VV' (
						
	14 13	12	2 11	10	9	8 ppm
					,	- PPIII

FIG. 2



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